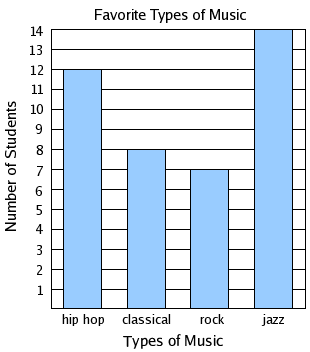
**Pre-AP Biology: Unit 1, DBA #4 Review - KEY**

***Practice Questions:*** *Answer the following questions thoroughly and accurately in preparation for your Daily Biology Assessment.*

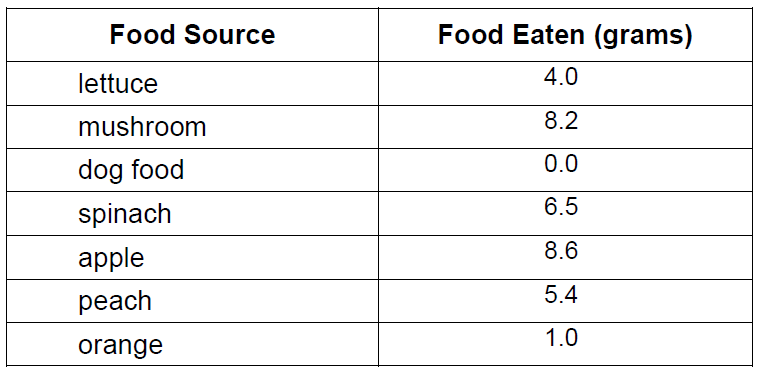
1. Using the graph to the right, identify the type of music that is most popular among students. How many students favor this type of music?

Jazz; 14 students

2. Using the graph to the right, identify the type of music that is least popular among students. How many students favor this type of music?

Rock ; 7 students

3. A study was conducted on the feeding preferences of slugs. Specimens were fed a variety of food sources and data were collected on number of grams of each type of food eaten. The data is recorded in the chart to the right.

What type of graph would you use to represent this data? Explain your choice.

Bar graph because we have single numbers (grams of food eaten) in each category (food source) that we are comparing. We are not looking at a trend over time.

4. What is one conclusion that you could make from the data given in the chart to the right? Explain your conclusion using numerical data from the chart.

Slugs appear to prefer apples because they’ve eaten the most grams of apples (8.6 grams). Slugs appear to dislike dog food because they have eaten 0.0 grams of dog food.



5. For the data represented in the graph to the right, what is the independent variable? (Hint: You have to look at the axis labels!)

The independent variable is time in years. (Remember, the independent variable is usually on the X axis.)

6. For the data represented in the graph to the right, what is the dependent variable? (Hint: You have to look at the axis labels!)

The dependent variable is the size of the deer population. (Remember, the dependent variable is usually on the Y axis.)

7. Which element of a “proper scientific graph” is missing from the graph to the right?

A title!

8. Estimate the number of deer in the population at 8 years based on the data in the graph to the right. How did you estimate this number?

It appears that the size of the deer population is leveling out between 3 and 7 years at approximately 70 deer. It would be logical to predict that the deer population will stay at this size at 8 years.